

- C2*  
*combined*
- b) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO:2;
  - c) a nucleotide sequence set forth in SEQ ID NO:1;
  - d) a nucleotide sequence having at least 90% identity to a nucleotide sequence of a), b), or c); and
  - e) a nucleotide sequence encoding an antisense RNA of a nucleotide sequence of a), b), c), or d.

*C1*  
*3*

3. The isolated nucleotide sequence of claim 1, wherein said GDP-mannose is native to maize.

4. The isolated nucleotide sequence of claim 1, wherein said leguminous plant is selected from the group consisting of beans and peas.

*C3*  
*3*

7. The expression cassette of claim 5, wherein said GDP-mannose pyrophosphorylase is native to maize.

8. The expression cassette of claim 5, wherein said leguminous plant is selected from the group consisting of beans and peas.

*C4*  
*4*

24. The plant cell of claim 23, wherein said nucleotide sequence is selected from the group consisting of:

- a) a nucleotide sequence encoding a GDP-mannose pyrophosphorylase that is native to maize or a leguminous plant;
- b) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO:2;
- c) a nucleotide sequence set forth in SEQ ID NO:1;